

AMENDMENTS TO THE CLAIMS

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Currently Amended) ~~The method of claim 1, further comprising~~ A method for a digital computer of providing system configuration information to applications, comprising:
booting a service environment prior to running an operating system;
retrieving a list of available devices to test;
enumerating the system configuration information from a plurality of platform tables;
storing the system configuration information in memory; and
auto-configuring a test suite using the stored system configuration information.

7. (Original) The method of claim 6, further comprising running an operating system.

8. (Original) A system comprising:

a diagnostic console;

a test control coupled to a diagnostic console, wherein the test control retrieves the list of available devices to test;

a configuration proxy coupled to the test control, wherein the configuration proxy provides an abstract object interface to configuration information sources;

a plurality of firmware table drivers coupled to the configuration proxy; and

a plurality of firmware tables coupled to the plurality of firmware table drivers.

9. (Original) The system of claim 8, wherein the plurality of firmware tables comprise:

an Advanced Configuration and Power Interface table;

a System Management Basic Input/Output System table; and

an Intelligent Platform Management Interface table.

10. (Original) The system of claim 9, wherein the plurality of firmware tables further comprise a Peripheral Component Interconnect driver.

11. (Original) The system of claim 8, wherein the configuration proxy comprises:

- an interface library;
- a set of executable code; and
- a memory array.

12. (Original) The system of claim 11, wherein the memory array comprises:

- a working storage unit, wherein the working storage unit stores the discovered system configuration; and
- a persistent storage unit, wherein the persistent storage unit stores the pre-configured data.

13. (Original) The system of claim 8, wherein each of the plurality of firmware tables is coupled to an individual firmware table driver.

14. (Original) An article comprising a machine readable medium having a plurality of machine readable instructions, wherein when the instructions are executed by a processor, the instructions cause a system to:

- discover firmware tables at a pre-boot service environment;
- present platform device information through a plurality of object interfaces during the pre-boot service environment; and
- use the platform device information to configure diagnostic test suites.

15. (Original) The article of claim 14, comprising a machine readable medium having a plurality of machine readable instructions, wherein when the instructions are executed by a processor, the instructions further cause a system to:

provide end users with a plurality of diagnostic tests; and
make the plurality of diagnostic tests available to execute.

16. (Canceled)

17. (Canceled)

18. (Currently Amended) ~~The apparatus of claim 16 further comprising~~ An apparatus comprising:

means for obtaining system configuration information in a pre-boot service environment;

means for storing configuration data;

means for providing an interface to manage the stored configuration data; and

~~a~~-means for using configuration data to auto-configure diagnostic test suites.

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Currently Amended) ~~The method of claim 20,~~ A method of identifying unresponsive installed devices of a system, comprising the steps of:

storing pre-configured data in a persistent storage;

discovering the system configuration; storing the discovered system configuration data in the working storage;

comparing the data in the persistent storage with the data in the working storage,

wherein the step of storing pre-configured data is performed during an operational mode prior to booting the system, wherein the data is converted from a table format to a file format.